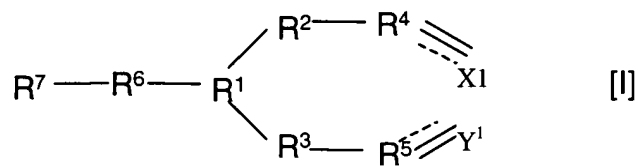## AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1.-42. Canceled

43. (New) A method of adhering or sealing at least one surface said method comprising

(1) applying to at least one surface, a compound of formula (I)

$$R^7 \text{---} R^6 \text{---} R^1 \underset{R^3 \text{---} R^5 \diagup Y^1}{\overset{R^2 \text{---} R^4 \diagdown X^1}{}} \qquad [I]$$

where R^1 is selected from a heteroatom or a substituted heteroatom which has electron withdrawing properties and R^6 is a bond or -C(O)-, -C(O)O-, -OC(O)-, C(S) or -S(O)$_2$-;

R^2 and R^3 are independently selected from $(CR^{8'}R^8)_n$, or a group CR^9R^{10}, -$(CR^{8'}R^8CR^9R^{10})$- or –$(CR^9R^{10}CR^{8'}R^8)$- where n is 0, 1 or 2, $R^{8'}$ and R^8 are independently selected from hydrogen or alkyl, and either one of R^9 or R^{10} is hydrogen and the other is an electron withdrawing group, or R^9 and R^{10} together form an electron withdrawing group,

R^4 and R^5 are independently selected from C, CH or CR^{11} where R^{11} is an electron withdrawing group, and

-5-

799794

R^7 is selected from hydrogen, an optionally substituted hydrocarbyl group, a perhaloalkyl group or a functional group;

the dotted lines indicate the presence or absence of a bond, and X^1 is a group CX^2X^3 where the dotted line bond to which it is attached is absent and a group CX^2 where the dotted line bond to which it is attached is present, Y^1 is a group CY^2Y^3 where the dotted line bond to which it is attached is absent and a group CY^2 where the dotted line bond to which it is attached is present, and X^2, X^3, Y^2 and Y^3 are independently selected from hydrogen and fluorine;

provided that

i) at least one of (a) R^1 and R^6 or (b) R^2 and R^3 or (c) R^4 and R^5 includes an electron withdrawing group;

ii) where R^2 and R^3 are both CH_2, R^4 and R^5 are both CH, and R^1 is N, R^6 may not be selected from C(O) or –OC(O)-;

and optionally a polymerisation initiator, and

(2) allowing the compounds of formula (I) to polymerize in contact with said at least one surface and optionally a further surface such that the said at least one surface and said optional further surface are adhered or sealed together.

44. (New) A method according to claim 43 wherein the compound of formula (I) is a compound of formula (IA)

799794

$$R^7 — R^6 — R^1 \diagdown \diagup R^2 — R^4 \diagup \diagup X^2 \diagdown X^3 \diagdown R^3 — R^5 \diagup Y^2 \diagdown Y^3$$

(IA)
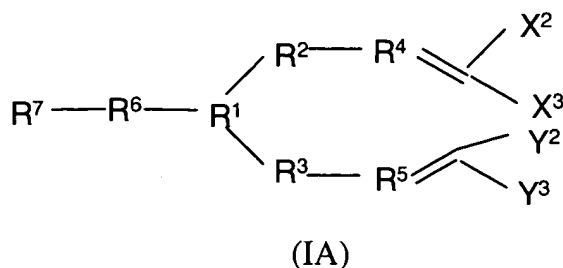
where R^1, R^2, R^3, R^4, R^5, R^6, R^7, X^2, X^3, Y^2 and Y^3 are as defined in claim 43.

45. (New) A method according to claim 43 wherein the compound of formula (I) is polymerised under the influence of radiation or an electron beam or by reaction with a chemical initiator.

46.   A method according to claim 45 wherein the compound of formula (I) is polymerisable under the influence of ultra violet or thermal radiation.

47. (New) A method according to claim 46 which comprises a polymerisation initiator which is a photoinitiator.

48. (New) A method according to claim 43 wherein in the compound of formula (I), R^2 and R^3 are groups $(CR^{8'}R^8)_n$ and R^4 and R^5 are CH groups.

49. (New) A method according to claim 43 where R^1 is selected from nitrogen, $N^+R^{12}(Z^{m-})_{1/m}$, $S(O)_pR^{13}$, B, or $P(O)_qR^{14}$ where R^{12}, R^{13} and R^{14} are independently selected from hydrogen or hydrocarbyl, Z is an anion of valency m, p is 0, 1 or 2, and q is 0, 1, 2 or 3.

50. (New) A method according to claim 49 where R^1 is a $N^+R^{12}(Z^{m-})_{1/m}$ group.
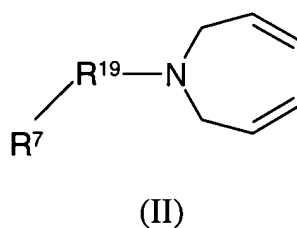
51. (New) A method according to claim 49 where Z is halogen.

799794

52. (New) A method according to claim 49 where R^{12} is alkyl.

53. (New) A method according to claim 43 where R^6 is a group -C(O)O- or -OC(O)-.

54. (New) A method according to claim 43 wherein R^1 is nitrogen, R^6 is -C(O)-, -C(S)- or -S(O)$_2$-.

55. (New) A method according to claim 43 where the compound of formula (I) is a compound of structure (II)

(II)

where R^7 is as defined in claim 43 and -R^{19}- is C(S) or S(O)$_2$.

56. (New) A method according to claim 43 where R^2 and R^3 include an electron withdrawing group.

57. (New) A method according to claim 56 where at least one of R^2 or R^3 include electron withdrawing groups R^9 and R^{10}.

58. (New) A method according to claim 57 wherein R^9 and R^{10} together form an oxo group.

59. (New) A method according to claim 43 wherein R^7 comprises a hydrocarbyl group optionally substituted by a functional group.

799794

60. (New) A method according to claim 43 wherein R^7 includes an unsaturated moiety.

61. (New) A method according to claim 60 wherein the unsaturated moiety is an aryl or alkenyl group, or a carbonyl substituent.

62. (New) A method according to claim 59 wherein R^7 is an optionally substituted alkyl, alkenyl, alkynyl or aryl group.
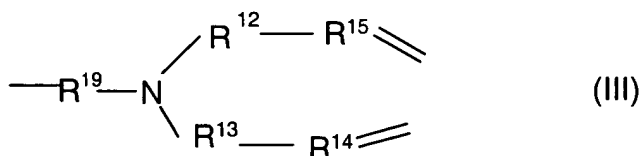
63. (New) A method according to claim 62 wherein R^7 is substituted by halogen, carboxy or salts thereof or acyloxy.

64. (New) A method according to claim 59 where R^7 is a perhaloalkyl group which comprises from 1 to 3 carbon atoms.

65. (New) A method according to claim 64 where R^7 is a perhalomethyl group.

66. (New) A method according to claim 59 where R^7 is a dialkenyl substituted amide.

67. (New) A method according to claim 66 wherein the amide is of sub formula (III)

$$-R^{19}-N\overset{\displaystyle R^{12}-R^{15}\diagdown}{\underset{\displaystyle R^{13}-R^{14}}{\big\langle}} \qquad \text{(III)}$$

where R^{19} C(s) or $S(O)_2$, R^{12} and R^{13} are selected from groups defined above for R^2 and R^3 in relation to formula (I) and R^{14} and R^{15} are selected from groups defined above as R^3 and R^4 in relation to formula (I).

799794

68. (New) A method according to claim 67 where R^{12} and R^{13} are $-CH_2-$ or

$-CH_2CH_2-$ groups and R^{14} and R^{15} are $-CH-$ groups.

69. (New) A method according to claim 43 wherein the compound of formula (I)

is a compound of formula (IV)

[IV]
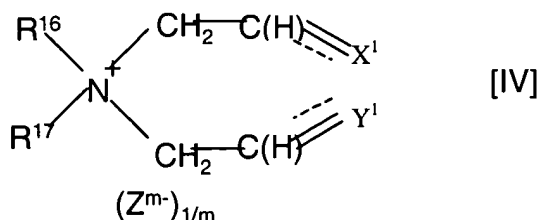
where Z is an anion of valency m, the hydrogen atoms in bracket are absent when the

dotted lines represent the presence of a bond, and R^{16} and R^{17} are independently selected

from hydrogen and hydrocarbyl optionally substituted with hydroxy.

70. (New) A method according to claim 69 wherein R^{16} and R^{17} are selected from

alkyl, hydroxyalkyl and alkenyl.

71. (New) A method according to claim 70 wherein R^{16} and R^{17} are prop-2-enyl or

hydroxyalkyl.

72. (New) A method according to claim 71 wherein hydroxyalkyl is a group of

formula $-C((CH_2)_dOH)_a(H)_b$ where a is an integer of from 1 to 3 and b is O or an integer

of 1 or 2 provided that a+b is 3, and d is an integer of from 1 to 6.

73. (New) An article which includes at least two surfaces which are adhered

together by means of a compound of formula (I) as defined in claim 43 which has been

polymerised.

799794

74. (New) An article according to claim 73 wherein the surfaces comprise glass or metal surfaces or a mixture of these.

75. (New) An article according to claim 73 wherein the polymerised compound of formula (I) provides an electrically conducting layer.

76. (New) A biomedical adhesive which comprises a biocompatible compound of formula (I) as defined in claim 43.

77. (New) A sealant which comprises a compound of formula (I) as defined in claim 43.

78. (New) A sealant which comprises a a biocompatible compound of formula (I) as defined in claim 43.

799794